

FIG. 1a

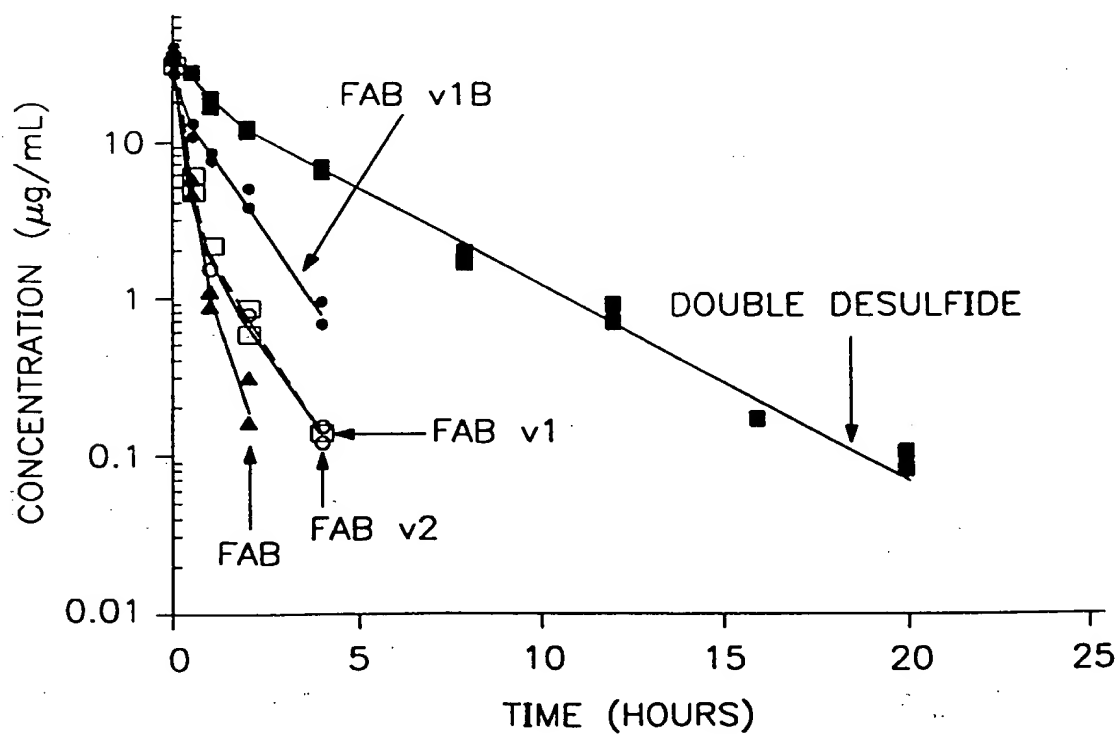
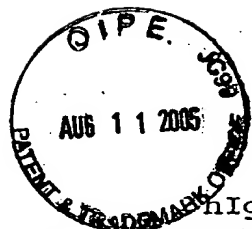


FIG. 1b



hIgG1 Sequence of human IgG1 CH1 domain
hIgG2 Sequence of human IgG2 CH1 domain
hIgG3 Sequence of human IgG3 CH1 domain
hIgG4 Sequence of human IgG4 CH1 domain
humK Sequence of human kappa CL domain
humL Sequence of human lambda CL domain

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	114	128	139
	↓	↓	↓
hIgG1	A S T K G P S V F P L A P S S K S T S G G T A A L		
hIgG2	A S T K G P S V F P L A P C S R S T S E S T A A L		
hIgG3	A S T K G P S V F P L A P C S R S T S G G T A A L		
hIgG4	A S T K G P S V F P L A P C S R S T S E S T A A L		

	108	122	131
	↓	↓	↓
humK	R T V A A P S V F I F P P S D E Q L K S G T A S V		
humL	Q P K A A P S V T L F P P S S E E L Q A N K A T L		

FabCABv1b A S T K G P S V F P L A P S P K N S S M I S N T P A L
of interest P K N S S M I S N T P

most important

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hIgG1	G C L V K D Y F P E P V T V S W N S G A L T S
hIgG2	G C L V K D Y F P E P V T V S W N S G A L T S
hIgG3	G C L V K D Y F P E P V T V S W N S G A L T S
hIgG4	G C L V K D Y F P E P V T V S W N S G A L T S

humK	V C L L N N F Y P R E A K V Q W K V D N A L Q
humL	V C L I S D F Y P G A V T V A W K A D S S P V

FabCABv1b G C L V K D Y F P E P V T V S W N S G A L T S

hIgG1	G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG2	G V H T F P A V L Q S S G - - - L Y S L S S V

FIG. 2a



hIgG3	G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG4	G V H T F P A V L Q S S G - - - L Y S L S S V
humK	S G N S Q E S V T E Q D S K D S T Y S L S S T
humL	K A G V E T T T P S K Q S N N - K Y A A S S Y

FabCABv1b	G V H T F P A V L Q S S G - - - L Y S L S S V
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	193	200	203
	↓	↓	↓
hIgG1	V T V P S S S L G T - Q T Y I C N V N H K P S		
hIgG2	V T V P S S N F G T - Q T Y T C N V D H K P S		
hIgG3	V T V P S S S L G T - Q T Y T C N V - N H K P S		
hIgG4	V T V P S S S L G T - K T Y T C N V D H K P S		

	181	190
	↓	↓
humK	L T L S K A D Y E K H K V Y A C E V T H Q G L	
humL	L S L T P E Q W K S H R S Y S C Q V T H E G S	

FabCABv1b	V T V P H Q S L G T - Q T Y I C N V N H K P S
of interest	H Q N L S D G K

most important * * * * *

hIgG1	N T K V D K R V - - -
hIgG2	N T K V D K T V - - -
hIgG3	N T K V D K R V - - -
hIgG4	N T K V D K R V - - -
humK	S S P V T K S F N R G E C
humL	T V E K T V A P T E C S

FabCABv1b	N T K V D K R V - - -
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FIG. 2b